California Environmental Protection Agency AIR RESOURCES BOARD	VICTORY MOTORCYCLE DIVISION, POLARIS INDUSTRIES INC.	EXECUTIVE ORDER M-036-0012 New On-Road Motorcycles

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the engine and emission control systems produced by the manufacturer are certified as described below for four-stroke gasoline-powered motorcycles. Production vehicles shall be in all material respects the same as those for which certification is granted. **The manufacturer shall ensure that character "C" or "3"is not used in the eighth (8th) position of the vehicle identification number (VIN) of all vehicles in the engine family listed below. Violation of this VIN provision may result in incorrect registration of the vehicles.**

MODEL YEAR	ENGINE FAMILY	EVAPORATIVE FAMILY	ENGINE DISPLACEMENT (cc)	CLASS
2007	7VMCC1.634ME	7VMCE0022DCP	1634	III
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		VEHICLE MODELS (equivalent inertia mass in kilograms, kg)		* = not applicable
SFI, 2TWC		Kingpin Vegas Eightball Hammer Jackpot Ness Jackpot (440 kg, all models)		

ABBREVIATIONS: EM=engine modification TWC=three-way catalyst OC=oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fuel injection DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2 (prefix)=parallel (2) (suffix)=in series

The following are the exhaust hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) standards, or designated HC+NOx standard as applicable, and certification levels in grams per kilometer (g/km), and evaporative standard and certification level in grams per test (g/test) for this engine/evaporative family. The designated HC+NOx standard, as applicable, shall be listed on the permanent tune-up label.

				EARLY COMPLIANCE CREDIT MULTIPLIER		*	
HC+NOx (g/km)				CO (g/km)		EVAPORATIVE (g/test)	
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
*	*	1.4	1.1	12	5	2.0	0.7

BE IT FURTHER RESOLVED: That certification to the designated HC+NOx standard listed above, as applicable, is subject to the following terms, limitations and conditions:

The designated HC+NOx standard shall be the exhaust emission limit for this engine family and cannot be changed during the model year. It serves as the HC+NOx exhaust standard applicable to this engine family for determining compliance with Title 13, California Code of Regulations, Sections 1958(b) and 2101.

BE IT FURTHER RESOLVED: That for certification to the HC+NOx standard, or designated standard as applicable, listed above, the listed vehicle models are granted an early-compliance credit multiplier as indicated above pursuant to Title 13, California Code of Regulations, Section 1958(g).

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all materials required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Sections 2035 et seq.).

BE IT FURTHER RESOLVED: That because the listed motorcycles are certified to 0.2 grams per test or more below the applicable evaporative standard, the vehicles are exempt from complying with the Air Resources Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" pursuant to Executive Order G-70-16-E.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Vehicles in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 31st day of May 2006.

Allen Lyons, Chief
Mobile Source Operations Division

M-036-0012

Motorcycle Engine Family Information Form

1. Manufacturer: Victory Motorcycle Division, Polaris Industries Inc.
2. Certification Contact Person, address, phone, and fax:

Kannan Govindasamy, Regulatory Engineer, Victory Motorcycle Division, Polaris Industries Inc.
7290 East Viking Blvd, Wyoming, MN 55092
T: 651-408-7325 F: 651-408-7603

3. Model Year: 2007

4. Process Code: New
(new, correction, revision, r/c, f/f. etc.)

5. Engine Family:

Engine Code: 7VMCC1.634ME
7 = model year = 7 = 2007
VMC = mfg code = Victory Motorcycle Division, Polaris Industries Inc.
C = family type = C = on-road motorcycle
1.63 = displacement = 1.63 = 1634 cc
4=engine technology=4 =4-stroke spark ignition
M = fuel system = M = multi-port/seq EFI
E = post combustion = E = catalyst

Evap Family Code: 7VMC E0022DCP
7 = model year = 7 = 2007
VMC = mfg code = Victory Motorcycle Division, Polaris Industries Inc.
E = family type = E = evaporative
0022=evap canister capacity=0022 wk capacity
D = Evap vent type = D = direct
C=storage medium=C=single charcoal canister
P = purge method= P = ported (throttle port)

6. Emission Control System: SFI/2TWC

7. Calif. Designated Standard: HC + NOx 1.4 g/km; CO 12 g/Km

8. Projected Annual Sales:
CONFIDENTIAL
Total California Sales:

9. New Technology ___ Yes _X_ No
If yes, cite the correspondence or reference the Submittal document:

10. Displacement: 1634 cc (100 cu in)

11. Number of Cylinders: 2

12. Cylinder Arrangement: 50° V-Twin

13. Cylinder Head Configuration: SOHC / 4 valve

14. Type of Cooling: Air & Oil

15. Combustion Cycle: 4-Stroke, S.I.

16. Method of Aspiration: Natural

17. Fuel System: SFI

18. Number of Catalytic Converters: 2

EPA Cert# 7VMCC1.634ME-001

19. Adjustable Parameters: None

Parameter(s)	Adjustable Range (or NA)	Tamper Resistance Method (or NA)	Method Approved

20. AECDs In the Emission Control Systems: None

Exhaust System	Evaporative System
AECDs In System:	AECDs In System:

Processed by: R Lord Date: 5-25-06

M-036-0012

Engine Family: 7VMCC1.634ME

Motorcycle Test Information Form

27. Are you carrying over test results from a previously certified family? _X_ Yes __ No
    a) If yes, indicate family name: 6POLC1.634ME/6POLE0022DCP .
    b) Is the family being certified identical to the family from which the data is being carried over? Yes

28. Model Designation of Test Vehicle: Kingpin

29. Test Information Number: V100KP06CAV1

30. Vehicle ID: 5VPCB26D963011715 / 120289000017

31. Service Accumulation Duration: 8063 km

32. Maximum Rated Power: 62.7 Kw @ 5500 RPM

33. Displacement: 1634 cc

34. Certification Fuel: Indolene

35. Test Data Set: V100KP06CAV1 / MCVT1634D2006BK

36. Road Load: 163.7

37. Inertia Mass: 440kg

38. N/V: 23.41 rpm/kph

39. EVAP. Bench Test Method Approved:
    Date: N/A

    Reference: N/A

40. Unscheduled Maintenance: ____ Yes X No

41. If yes, Vehicle Log provided: _____

42. Exhaust Emission Deterioration Factors: Vehicle ID: V100BD-06V-105 (49 state DF data)

		Emission Values		
Test Number	System Kilometers	HC	NOx	CO
3	3469	0.601	0.453	6.469
4	8006	0.734	0.487	12.469
6	11544	0.487	0.520	3.051
7	14931	0.55	0.531	3.728
Interpolated Values at 8,000 km:		**HC = 0.608**	**NOx = 0.487**	**CO = 7.069**
Extrapolated Values at 30,000 km:		**HC = 0.393**	**NOx = 0.643**	**CO = -2.311**

Regular DF	X (multi-plicative)
Modified DF Specify vehicle ID	

43. Emission Test Results: Vehicle ID: 5VPCB26D963011715 / 120289000017 (CA configuration 5000 mile test) configuration

Official Test Results		Test 1	Test 2	Test 3	Test 4	Test 5	Test 6		Deterioration Factors
g/km	CO	3.797	12.660	14.104	4.018	5.811	4.740	(X)	1
g/km	CO^2	146	124	124	133	132	129		----------
g/km	HC	0.468	0.645	0.707	0.469	0.529	0.508	(X)	1
g/km	NOx	0.283	0.357	0.362	0.376	0.410	0.420		1.32
g/test	Evap.						0.42	(+)	0.29

44. Certification Levels:

g/km	CO	4.740			
g/km	HC+ NOx	1.062			
g/test	Evap.	0.71			

M-036-0012

Engine Family: 7VMCC1.634ME

Evaporative Emission Information

45. Evaporative Family: 7VMCE0022DCP
46. Number of Evap. Canisters: One
47. Design Working Capacity: 22 grams
48. Configuration: Plastic canister
49. Number of Storage Areas: One Canister
50. Fuel Reservoir Volume: N/A
51. Vent System Configuration: Throttle Ported Purge Control
52. Nominal Tank Capacity: 4.5 U.S. gallons
53. Engine Displacement Class: III
54. Storage Medium Composition: Activated charcoal
55. Evap. Canister Medium Volume: 400 cc
56. Evap. Family Sales:
57. Engine Code: N/A
58. Evap. Emission Family Code: 7VMCE0022DCP
59. Evap. Emission Family Group: N/A
60. **Overall Evap D.F.** = 0.29

Bench DF

61. Test Vehicle ID:
62. Test Results:

Test Number	System Kilometers	Evap. Emission Values (g/test)
1		
2		
3		
4		
5		
6		
7		
Interpolated Values at _____ km: = _____		
Extrapolated Values at _____ km: = _____		
Bench Test D.F. = 0.5 (assigned)		

Check One:	
Regular DF:	
Modified DF:	
If different vehicle specify the vehicle ID	

Vehicle DF

63. Test Vehicle ID: 5VPTD16D123000111
64. Test Results.

Test Number	System Kilometers	Evap. Emission Values (g/test)
1	3544	0.348
2	8116	0.404
3	8130	0.416
4	15062	0.420
Interpolated Values at 15,000 km: = .4327		
Extrapolated Values at 30,000 km: = .5177		
Vehicle Test D.F. = 0.085		

M-036-0012

Engine Family: 7VMCC1.634ME

Motorcycle Model Summary Form

65. Model Designation	66. Worst Case	67. Disp. (cc)	68. Bore / Stroke (mm)	69. Basic Ignition Timing (degrees)	70 Power (kW)	71 Rated Speed (RPM)	72 Rated Torque (Nm)	73. Rated Speed (RPM)
Kingpin		1634	101 x 102	N/A	62.7	5500	139	2500
Vegas		1634	101 x 102	N/A	62.7	5500	139	2500
Eightball		1634	101 x 102	N/A	62.7	5500	139	2500
Hammer		1634	101 x 102	N/A	62.7	5500	139	2500
Jackpot		1634	101 x 102	N/A	62.7	5500	139	2500
Ness Jackpot		1634	101 x 102	N/A	62.7	5500	139	2500

65. Model Designation	74. EIM (kg)	75. Loaded Vehicle Weight Range (kg)	76 Road Load	77 Total Vehicle Mass (kg)	78 Full Weight with All Factory Options (kg)	79. Trans. Type	80 N/V
Kingpin	440	436-445	163.7	311	332	6 speed constant mess	23.41 rpm/kph
Vegas	440	436-445	163.7	302	314	6 speed constant mess	23.51 rpm/kph
Eightball	440	436-445	163.7	302	314	5 speed constant mess	23.51 rpm/kph
Hammer	440	436-445	163.7	316	328	6 speed constant mess	23.37 rpm/kph
Jackpot	440	436-445	163.7	302	314	6 speed constant mess	23.37 rpm/kph
Ness Jackpot	440	436-445	163.7	302	314	6 speed constant mess	23.37 rpm/kph